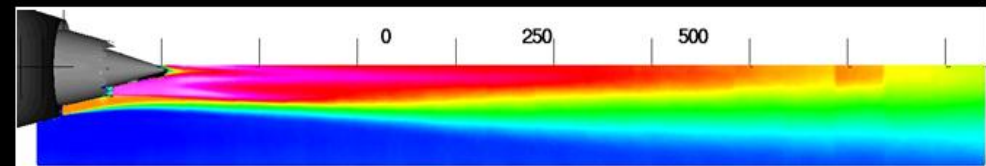
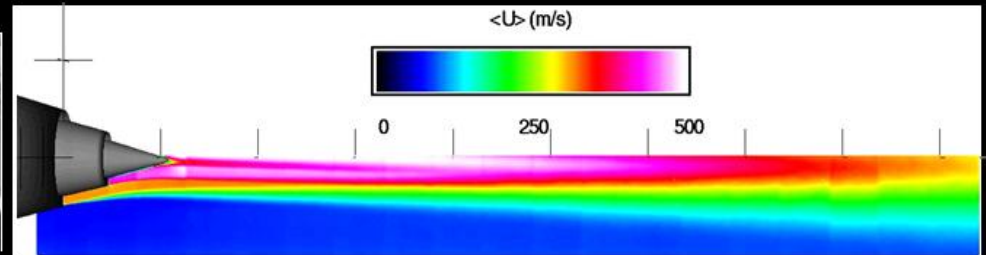


Particle Image Velocimetry (PIV) for AeroAcoustics

3-D and Time-Resolved PIV are being used in GRC's Jet Noise Facilities

Used to verify turbulence anisotropy, measure turbulent length scales, and provide Space-Time Correlations

- **Critical to developing accurate aeroacoustic models**



Mixing enhancing chevrons reduce magnitude of velocity, reduces length of the potential core and increases mixing